

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A radio-frequency phase shift assembly for coupling to a feed line, comprising:

at least ~~two~~ first and second stripline sections which are arranged concentrically, said at least ~~two~~ first and second stripline sections for coupling to at least two different pairs of antenna radiating elements driven with different phase angles (ϕ) at mutually offset tapping points,

a tapping element pivotable about a pivoting axis, the tapping element having a first tapping section for ~~said first each~~ stripline section and having a second tapping section for said second stripline section, said first and second tapping sections being respectively pivotable over the associated first and second stripline sections and being coupled thereto,

~~plural~~ at least first and second connection lines, the tapping element being connected ~~at least indirectly~~ to said feed line such that the feed line is electrically connected via the plural first and second connection lines to the first and second tapping sections associated with said first and second stripline sections,

wherein the tapping element comprises a pointer element which rotates about the pivoting axis, and

wherein, the respective second connection line) is formed disposed with respect to a next, further outward the second stripline section by extending the respective preceding further inward first connection line which leads to the respective further inward first tapping section.

Claim 2 previously canceled without prejudice.

3. (Currently amended) The phase shift assembly as claimed in claim 1, wherein the first and second connection lines comprise transformers which share power in a predefined manner between the tapping sections of the at least two first and second stripline sections .

4. (Previously presented) The phase shift assembly as claimed in claim 1, wherein the tapping element comprises a radial point element originating from the pivoting axis .

5. (currently amended) The phase shift assembly as claimed in claim 1, wherein the at least two first and second stripline sections comprise an innermost stripline section and an outermost stripline section, respectively, and wherein the share of the power fed in via the feed line decreases from the innermost stripline section to the outermost stripline section .

6. (Currently amended) The phase shift assembly as claimed in claim 1, wherein the at least two first and second stripline sections comprise an innermost stripline section and an outermost stripline section, the innermost and outermost stripline sections

~~unequally sharing and the share of the power fed in via the feed line increases from the innermost stripline section to the outermost stripline section .~~

7. (currently amended) The phase shift assembly as claimed in claim 1, wherein the at least ~~two~~first and second stripline sections , are fed with virtually the same power.

8. (Previously presented) The phase shift assembly as claimed in claim 1, wherein at least one of the radius and diameter of the stripline sections increases by a constant factor.

9. (Previously presented) The phase shift assembly as claimed in claim 1, wherein the phase shift assembly operates at a predetermined RF wavelength, and the distances between the stripline sections are 0.1 to 1.0 times the predetermined RF wavelength.

10. (Previously presented) The phase shift assembly as claimed in claim 1, wherein the tapping sections comprise capacitively coupled tapping sections each composed of flat strip conductors, and a dielectric disposed between said flat strip conductors.

11. (Currently amended) The phase shift assembly as claimed in claim 1, further including a center tap electrically connected to the feed line, a capacitive coupling being provided between the center tap electrically connected to the feed line; and the coupling section, said coupling section being electrically connected to the tapping

element, said capacitive coupling comprising a dielectric provided between the at least two-first and second stripline sections.

12. (Currently amended) The phase shift assembly as claimed in claim 1, further including a conductive, base plate antenna reflector, at least said above-mentioned stripline sections and said tapping elements being disposed on said reflector.

13. (Previously presented) The phase shift assembly as claimed in claim 1, further including a metallic cover shielding said phase shift assembly.

14. (Currently amended) The phase shift assembly as claimed in claim 1, further including a cover, and wherein the connection line and the stripline sections, together with the cover form a triplate stripline.

15. (Previously presented) The phase shift assembly as claimed in claim 1, wherein the stripline sections each have a defined characteristic impedance.

16. (Currently amended) The phase shift assembly as claimed in claim 1, further including a reflector, a dielectric, and a center tap for the tapping element that is is separated from, and is held above, the reflector by means of the dielectric .

17. (Currently amended) The phase shift assembly as claimed in claim 1, wherein the at least two-first and second stripline sections are curved.

18. (Currently amended) The phase shift assembly as claimed in 17, wherein the at least two-first and second stripline sections have center points, the at least two-first and second stripline sections are in the form of circle segments, said at least two-first and

second stripline section center points being arranged such that they run in the form of circle segments around a common center point.

19. (currently amended) The phase shift assembly as claimed in claim 1, wherein the center points of the stripline sections (- lie on the pivoting axis of the tapping element .

20. (currently amended) The phase shift assembly as claimed in claim 1, wherein the center points of the stripline sections (-and the center point of the pivoting axis are offset with respect to one another.

21. (currently amended) The phase shift assembly as claimed in claim 1, wherein the stripline sections (- have different thicknesses.

22. (currently amended) The phase shift assembly as claimed in claim 1, wherein the stripline sections (- have different impedance values.

Claim 23 previously canceled without prejudice.

24. (Currently amended) A radio-frequency phase shift assembly coupled to a feedline, comprising:

at least two stripline sections offset with respect to one another,
at least two different pairs of antenna radiating elements coupled to the at least two stripline sections and driven with different phase angles (Φ) at mutually offset tapping points,

a tapping element pivotable about a pivoting axis,

the tapping element having a tapping section for each stripline section, the tapping sections being pivotable over the associated stripline section and being connected thereto,

the tapping element connected at least indirectly to the feed line such that the feed line is electrically connected via a number of connection lines to the tapping sections which are associated with respective stripline sections,

wherein

the stripline sections are formed disposed in straight lines parallel to one another,

the tapping element comprises a pointer element which rotates about the pivoting axis, and

the respective connection line is formed disposed with respect to a next, further outward stripline section by extending the respective preceding further an inward connection line which leads to the a respective further inward tapping section.

25. (Previously presented) The phase shift assembly of claim 1 wherein the stripline sections each have 50 ohms of impedance.

26. (Previously presented) An RF phase shifter comprising:

plural arcuate stripline elements of different lengths; and

a pivotable radial tapping element capacitively coupled to tap each of said plural arcuate stripline elements simultaneously, said radial tapping element rotating about a pivoting axis, said radial tapping element dividing power unequally between said stripline

elements in a predefined manner while simultaneously adjusting phase angle substantially equally in each of said plural arcuate stripline elements.

27. (Previously presented) The phase shifter of claim 26 wherein the plural stripline elements each have first and second ends for connection to respective antenna radiating elements.

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Appl. No. 10/049,809
August 18, 2004

AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to Fig. 3. This sheet, which includes Fig. 3, replaces the original sheet including Fig. 3.

Attachment: Replacement Sheet(s)
Annotated Sheet Showing Changes